

-2-

Amendments to the Claims

Please cancel Claims 1-35 and 40-90. Please amend Claim 36. The Claim Listing below will replace all prior versions of the claims in the application:

Claim Listing

Claims 1-35 (Cancelled)

36. (Currently amended) A hearing aid comprising:
- a hearing aid enclosure having a faceplate located at a proximal end of said enclosure, said faceplate having sound openings formed through said faceplate; and
- a housing of lateral width "W" and longitudinal length "L" disposed at ~~a~~ the proximal end of said enclosure, the housing containing a transducer formed of a diaphragm comprising an electrically conductive membrane disposed opposite a conductive backplate, said membrane and diaphragm extending in a plane parallel to and proximate to and opposite ~~a~~ the faceplate of said enclosure having sound openings formed through said faceplate; and
- a printed circuit board (PCB) within the hearing aid enclosure, the housing and a the printed circuit board (PCB) being configured to provide an electromagnetic interference (EMI) shield around the transducer.
37. (Previously presented) The hearing aid of claim 36 wherein the housing is electrically conductive and is formed of a front surface open to a said faceplate and a sidewall extending longitudinally inward from said faceplate; the PCB having a conductive ground plane extending across said sidewall in electrical communication with the housing to form an acoustic seal for the transducer; electrical components to process signals generated by said transducer provided on said PCB; and wherein said housing and PCB form an EMI shield around said components and transducer.
38. (Original) The hearing aid of claim 36 wherein the ratio of the area of the housing opposite the faceplate to the area of the faceplate is at least 0.5.

-3-

39. (Original) The hearing aid of claim 36 wherein the housing has a greater lateral dimension than longitudinal dimension.

Claims 40-90 (Cancelled)

91. (Previously presented) A hearing aid comprising an electrically conductive housing and a printed circuit board (PCB) configured to surround one or more hearing aid components, the housing and PCB being configured to provide an electromagnetic interference shield around the components.
92. (Previously presented) The hearing aid of claim 91 wherein the housing and PCB are disposed at a proximal end of a hearing aid enclosure, the proximal end including sound openings.
93. (Previously presented) The hearing aid of claim 92 wherein the one or more hearing aid components include a transducer and electrical components configured to process signals generated by the transducer.
94. (Previously presented) The hearing aid of claim 93 wherein the housing includes sound inlets for allowing sound to impinge upon the transducer.
95. (Previously presented) A method for providing an electromagnetic interference shield around one or more components provided within a hearing aid enclosure, comprising surrounding the components with an electrically conductive housing and a printed circuit board having a conductive ground plane.

REMARKS